

**Kansas Department of Health and Environment
Bureau of Environmental Remediation
Identified Sites List Information
Photo Available**

Project Code: C300171726 **Site Status:** Active
Site Name: UNITED ZINC #1
CERCLIS Number:
Other Names:
Address: U.S. HWY 54 AT KANSAS DRIVE **City:** IOI.A
66749
County: AL **River Basin:** Neosho
Latitude: 37.92395 **Longitude:** -95.3868
Program Name: Management Assistance (CERCLA Lead) **Project Manager:** DANEKE, T.
Contaminants: Heavy Metal

Site Narrative:

The United Zinc #1 site was identified in the fall of 2001 through historical reviews and reconnaissance activities. The Kansas Department of Health and Environment (KDHE) conducted these efforts to identify several former smelter facility locations documented to exist throughout southeast Kansas. The property is located in an area of eastern Iola historically used for smelting operations. The East Iola site (KDHE No. C3-001-03004) is located directly to the east and the Coberly Recycling site (KDHE No. C3-001-03000) is located directly to the west. A Phase I Focused Former Smelter Assessment (FFSA) of the property has been completed. The Phase I report was approved in April, 2004. Phase I findings indicate previous ownership by smelting companies and apparent smelter wastes on site.

Phase II FFSA activities were performed in October and November 2004 at the site. Surface soil, subsurface soil, smelter waste, and sediment samples were collected and analyzed for arsenic, cadmium, lead and zinc. Soil samples collected at the site indicate surface and shallow subsurface soil at the site is impacted with metals (arsenic, cadmium, lead, and zinc). Results of the slag analyses suggest elevated metals in the soil are likely related to historical smelter operations. Soil samples collected at the site generally exhibited arsenic, cadmium, lead, and zinc concentrations well above metals concentrations observed in background soil samples. Surface soil samples collected from nearby off-site locations exhibited metals concentrations in exceedence of KDHE RSK values.

Groundwater was encountered at the site; analytical results indicate cadmium and lead were detected at concentrations above KDHE RSK values.

KDHE could not identify a viable responsible party for the United Zinc site. In September 2005 KDHE conducted a Preliminary Removal Evaluation to determine possible impacts to a nearby elementary school and residential yards. Over fifty samples were collected during the PRE. The results indicate that lead, arsenic, cadmium and zinc are present at elevated levels within residential and non-residential properties at and adjacent to the site. Lead above 400 mg/kg was also identified on the school yard property.

As a result of the PRE findings, KDHE referred the site to EPA for a federal removal action. KDHE held a meeting with the Iola City Commission, City Administrator and Mayor on November 22, 2005 to discuss future actions at the site.

Early in 2006, KDHE funded a total of 81 cubic yards of Kiddie Cushion to be used as protective covering on the school ground property. The School District and the City assisted in the application of the Kiddie Cushion.

EPA initiated the Removal Action on August 15, 2006 by assessing over 1,600 homes. As of May 22, 2007 a total of 105 homes have been excavated. On May 10, 2007 approximately 65 children were screened for blood-lead levels.

Legal Description:

Township	Range	Section	Parcel	Description
24	18E	25		SW of the SW

Actions Completed:

Activity Type	Activity	Start	Completed



13.0

ASSESSMENT	Preliminary Site Evaluation	04/15/2003	04/30/2004
TRANSFER	Transfer Within Bureau	12/23/2004	12/23/2004
TRANSFER	Transfer Within Bureau		09/28/2005
ASSESSMENT	Preliminary Removal Evaluation	08/01/2005	09/30/2005
TRANSFER	Transfer Within Bureau	10/01/2006	10/01/2006

Actions Underway:

Activity Type	Activity	Start	Completed
ASSESSMENT	Preliminary Site Evaluation	04/15/2004	

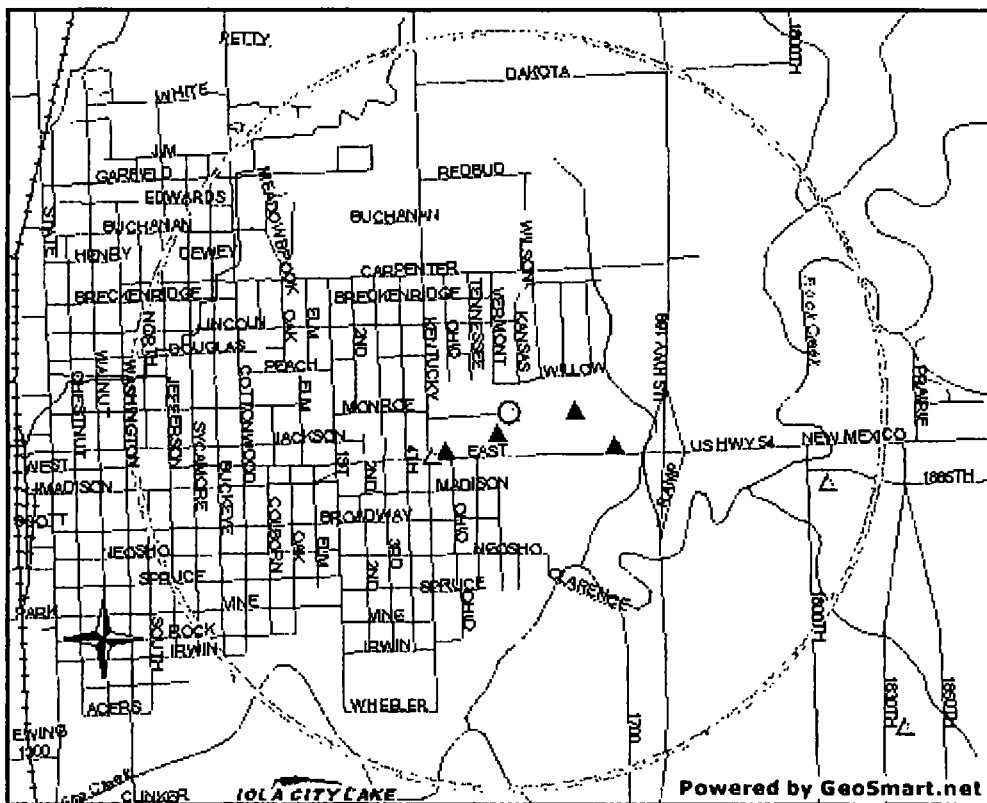
Actions Proposed:

Activity Type	Activity	Start	Completed

Environmental Use Control In Place? No

Map of Identified Site
(One-mile radius circle around selected site)

[Click here for interactive map.](#)

**Types of Sites in Area**

- Selected Site
 ▲ Active — Resolved — Resolved with Restrictions ▲ Transferred out of Bureau